



California Regional Water Quality Control Board

Los Angeles Region



Linda S. Adams
Agency Secretary

Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

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Arnold Schwarzenegger
Governor

September 17, 2007

Mr. Harry Acquarelli
Harry's Airport Garage
6632 West 87th Street
Los Angeles, CA 91045

**GENERAL WASTE DISCHARGE REQUIREMENTS FOR GROUNDWATER CLEANUP AT PETROLEUM HYDROCARBON FUEL, VOLATILE ORGANIC COMPOUND AND/OR HEXAVALENT CHROMIUM IMPACTED SITES (ORDER NO. R4-2007-0019)
HARRY'S AIRPORT GARAGE, 9131 AVIATION BOULEVARD, INGLEWOOD, CALIFORNIA (CI-9309, SERIES NO. 029); (UST FILE NO. R-09799)**

Dear Mr. Acquarelli:

We have completed our review of your application for coverage under General Waste Discharge Requirements to inject hydrogen peroxide and hydrogen peroxide with sodium persulfate with EDTA catalyst activator into groundwater at the subject site (the Site). The purpose of the oxidizing and catalyst activator injection is to mitigate fuel constituents present in the groundwater beneath the Site in order to minimize the threat to the underlying aquifers.

Harry's Airport Garage (hereinafter Discharger) owns and operates at the facility (Site) located at 9131 South Aviation Boulevard, Inglewood. The Site is currently an active gasoline service station containing three underground storage tanks (USTs). The Site is surrounded by commercial properties.

The Site is located within the Los Angeles Coastal Plain Groundwater Basin. The subsurface lithology of the Site consists of clay, silt and sand to a depth of approximately 120 feet below ground surface (bgs).

Site investigations conducted at the Site to date indicate that the soil and groundwater beneath the Site have been impacted with fuel constituents. Maximum concentrations of TPHg, benzene, and MTBE detected in the soil were 8,320, 58.5, and 97.8 mg/kg, respectively.

Currently, there are seven groundwater monitoring wells onsite. Groundwater monitoring has been conducted since December 2003. Historically, up to 2,740 µg/L of TPHg, 74.8 µg/L of benzene and 16.7 µg/L of MTBE were detected in the groundwater beneath the Site. Up to 391 µg/L of TPHg was detected in the groundwater in March 2007. Depth to groundwater was measured at about 94 feet bgs and the groundwater flow direction was relatively flat at the site. However, according to a site located about 0.6 miles upgradient of the Site, the regional groundwater flow direction is toward the southwest.

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In a remedial action plan (RAP) dated January 28, 2007, the Discharger's consultant, Ami Adini & Associates (AA&A) proposes to mitigate the contaminated soil beneath the Site using In-situ Chemical Oxidation (ISCO) technology and high vacuum soil vapor extraction (HVSVE) as a contingency remedial alternative. The ISCO technology and/or the soil vapor extraction will target the residual soil contamination retained in the tight clay and silt layers from 10 to 70 feet bgs in areas near MW-1, MW-4 and MW-6. On August 13, 2007, Regional Board staff approved the RAP.

AA&A proposes to install a total of 26 injection ports on grids spaced 10 to 15 foot apart in the source area using a Geoprobe drilling rig. Delivery of the ISCO will be through the injection ports, under a pressure of 200 to 600 psi.

Based on our review, Regional Board staff has determined that the proposed discharge meets the conditions specified in Order No. R4-2007-0019, "*Revised General Waste Discharge Requirements for Groundwater Remediation at Petroleum Hydrocarbon Fuel, Volatile Organic Compound and/or Hexavalent Chromium Impacted Sites*" adopted by the Regional Board on March 1, 2007.

Enclosed are the Waste Discharge Requirements, consisting of Regional Board Order No. R4-2007-0019, Monitoring and Reporting Program No. CI-9309, and Standard Provisions.

The WDRs issued shall not be rescinded until Regional Board staff determines the WRDs are no-longer needed for the site cleanup.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of this enrollment under Regional Board Order No. R4-2007-0019. All monitoring reports shall be sent to the Regional Board, ATTN: Information Technology Unit.

When submitting monitoring or technical reports to the Regional Board, please reference Compliance File No. CI-9309 to assure that the reports are directed to the appropriate staff. Do not combine other reports with your monitoring reports complying with Order No. R4-2007-0019. Submit each type of report as a separate document.

We are sending a copy of Order No. R4-2007-0019 only to the applicant. A copy of the Order will be furnished to anyone who requests it. A copy of the Order can also be found online at: http://www.waterboards.ca.gov/losangeles/html/permits/gen_orders/R4-2007-0019/R4-2007-0019.pdf

If you have any questions, please contact Mr. Rodney Nelson at (213) 620-6119. Questions regarding the underground storage tank issues should be forwarded to Ms. Chandra Cansler at (213) 576-6782.

Sincerely,

Original signed by

Deborah J. Smith
Interim Executive Officer

California Environmental Protection Agency



Mr. Harry Acquarelli
Harry's Airport Garage

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September 17, 2007

Enclosures: 1. Board Order No. R4-2007-0019
2. Monitoring and Reporting Program No. CI-9309
3. Standard Provisions

Cc: Yvonne Shanks, State Water Resources Control Board, UST Cleanup Fund
Nancy Matsumoto, Water Replenishment District of Southern California
Tim Smith, Los Angeles County Department of Public Works, Envr. Programs
Ami Adini, Ami Adini & Associates, Inc.

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